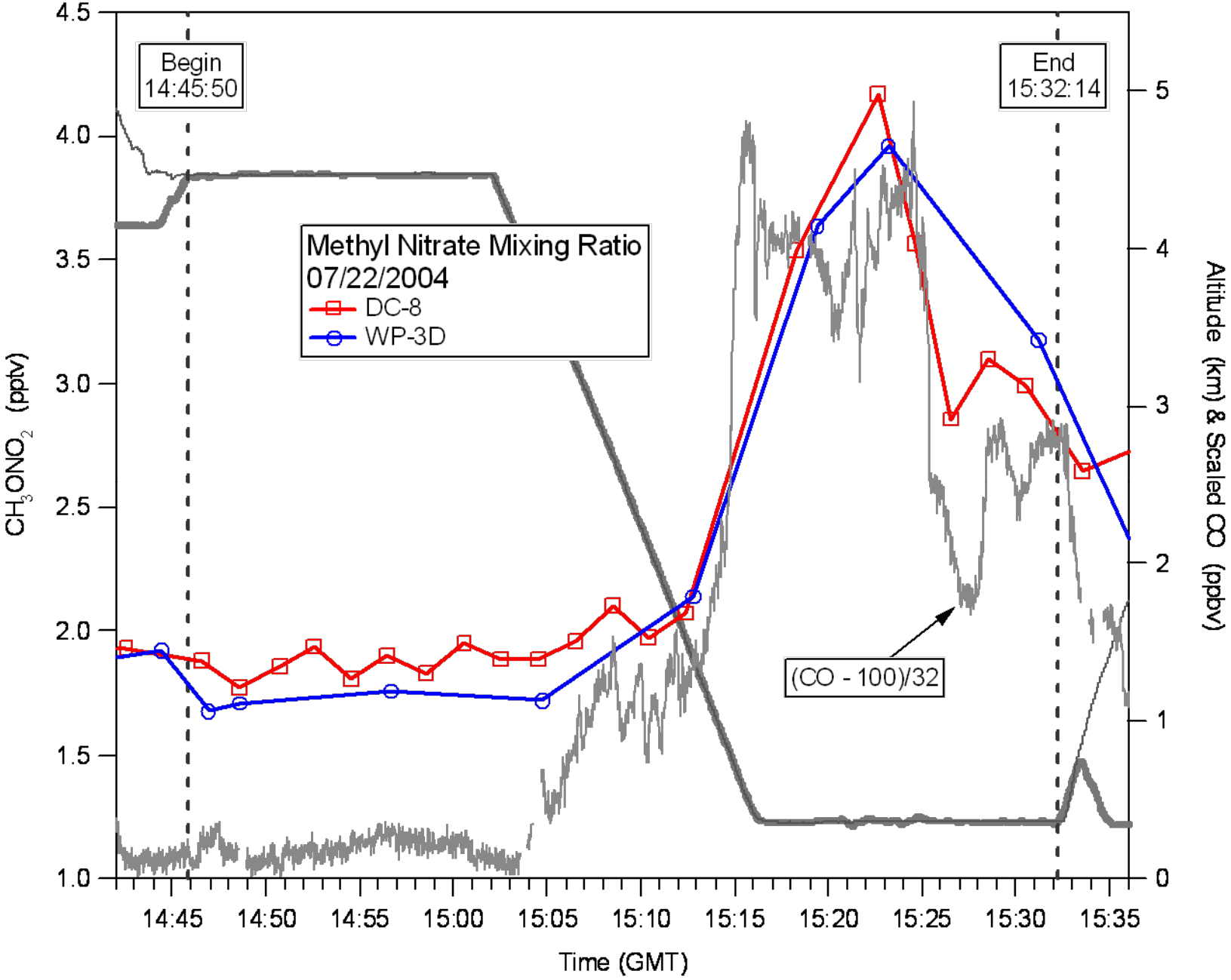
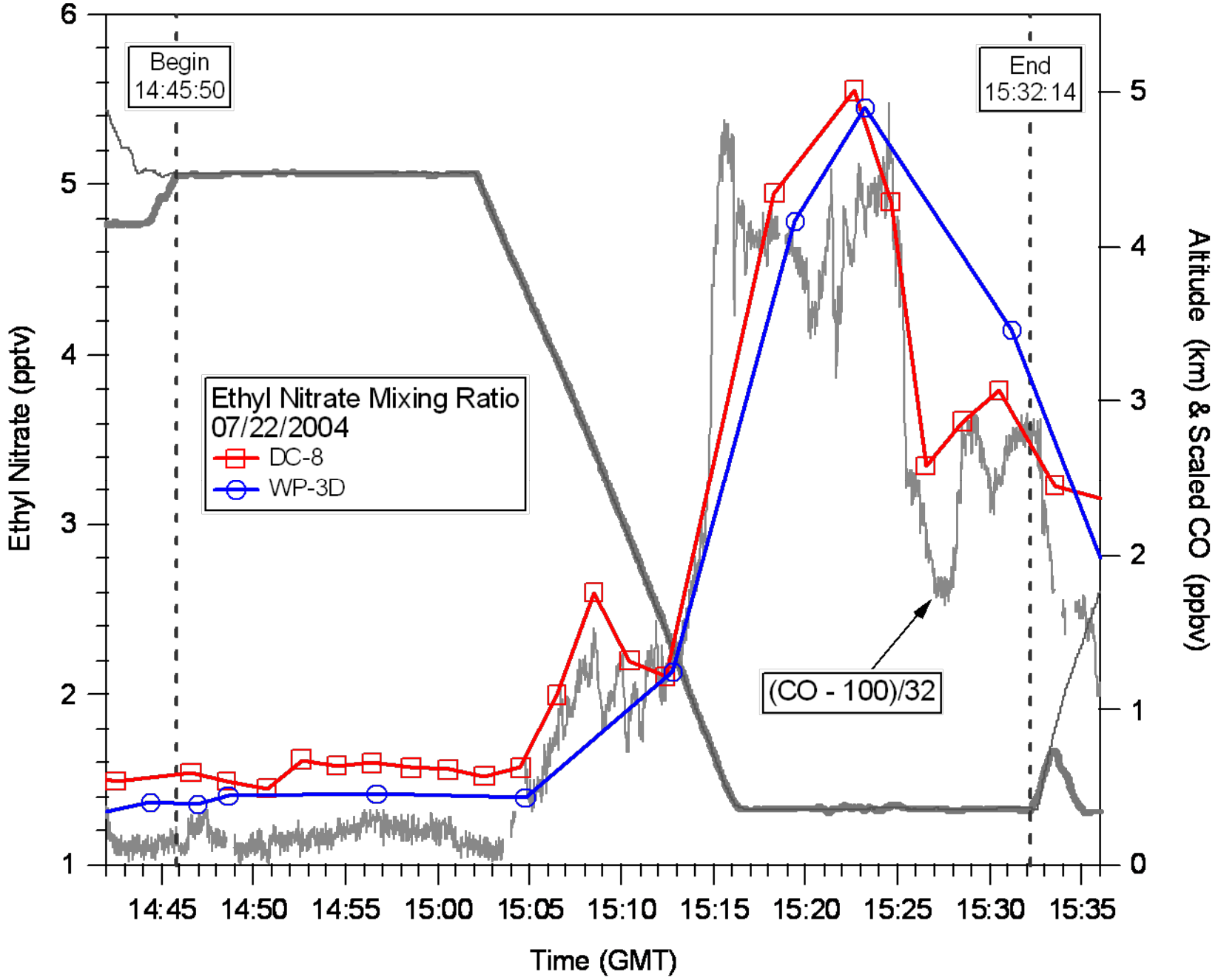
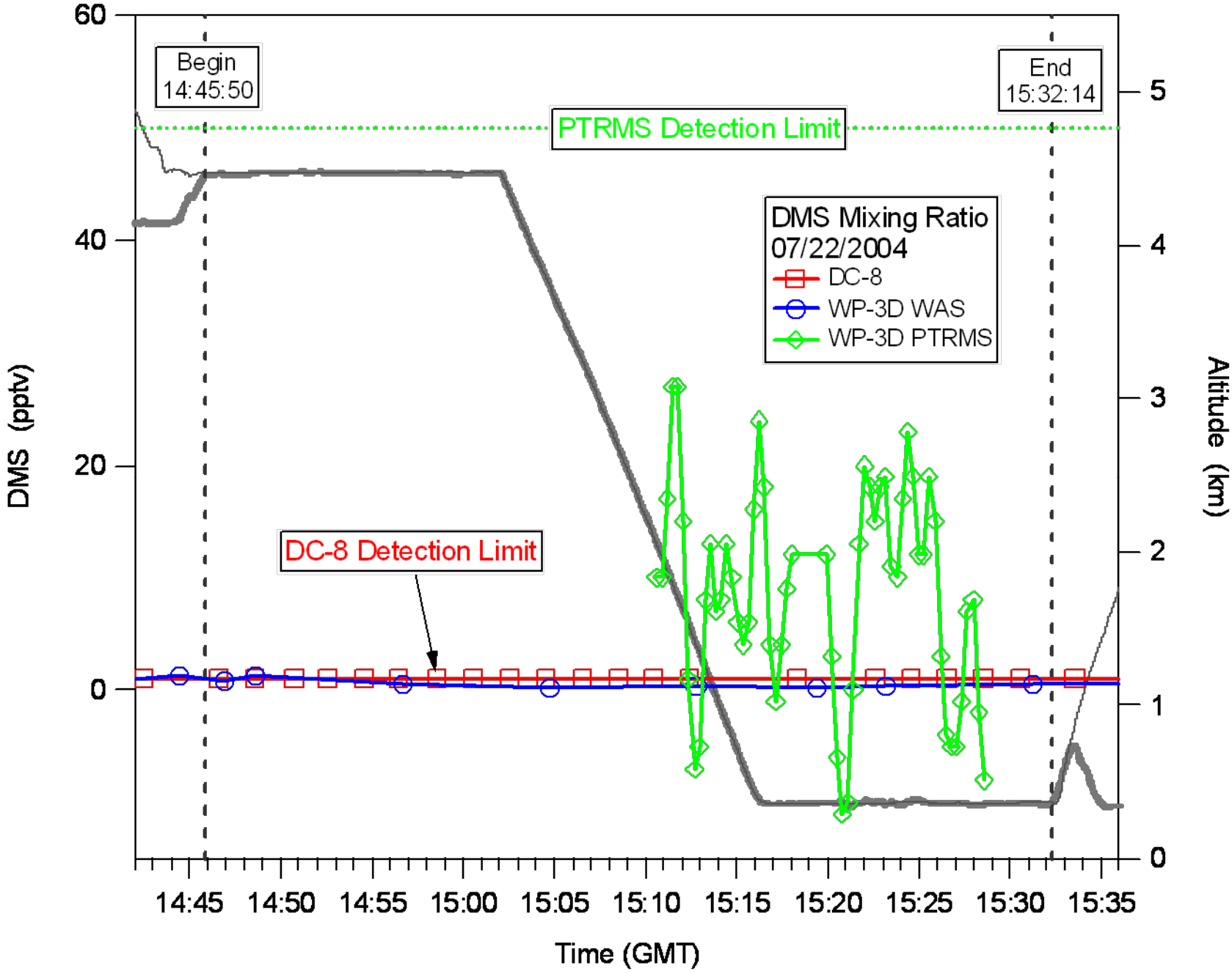
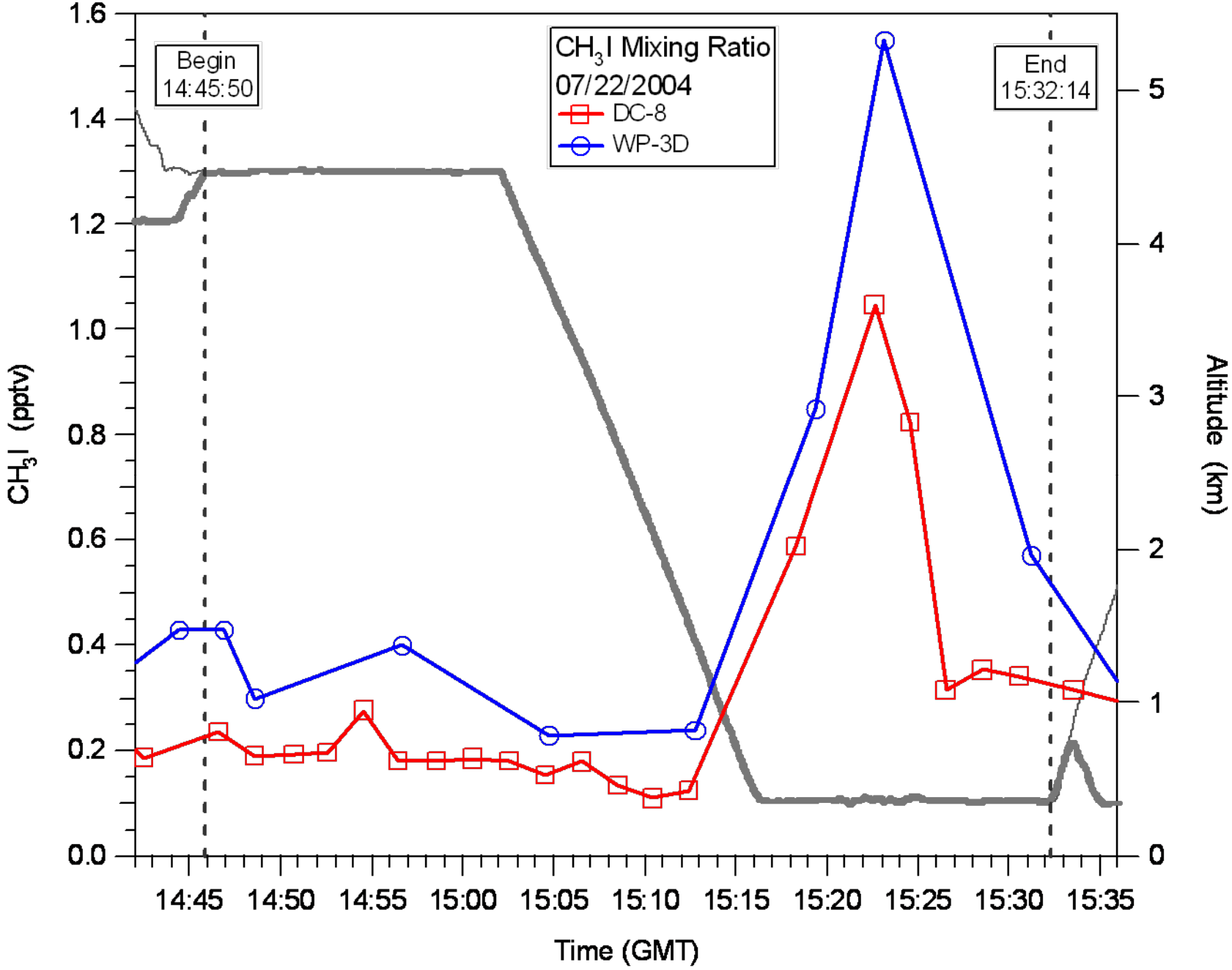
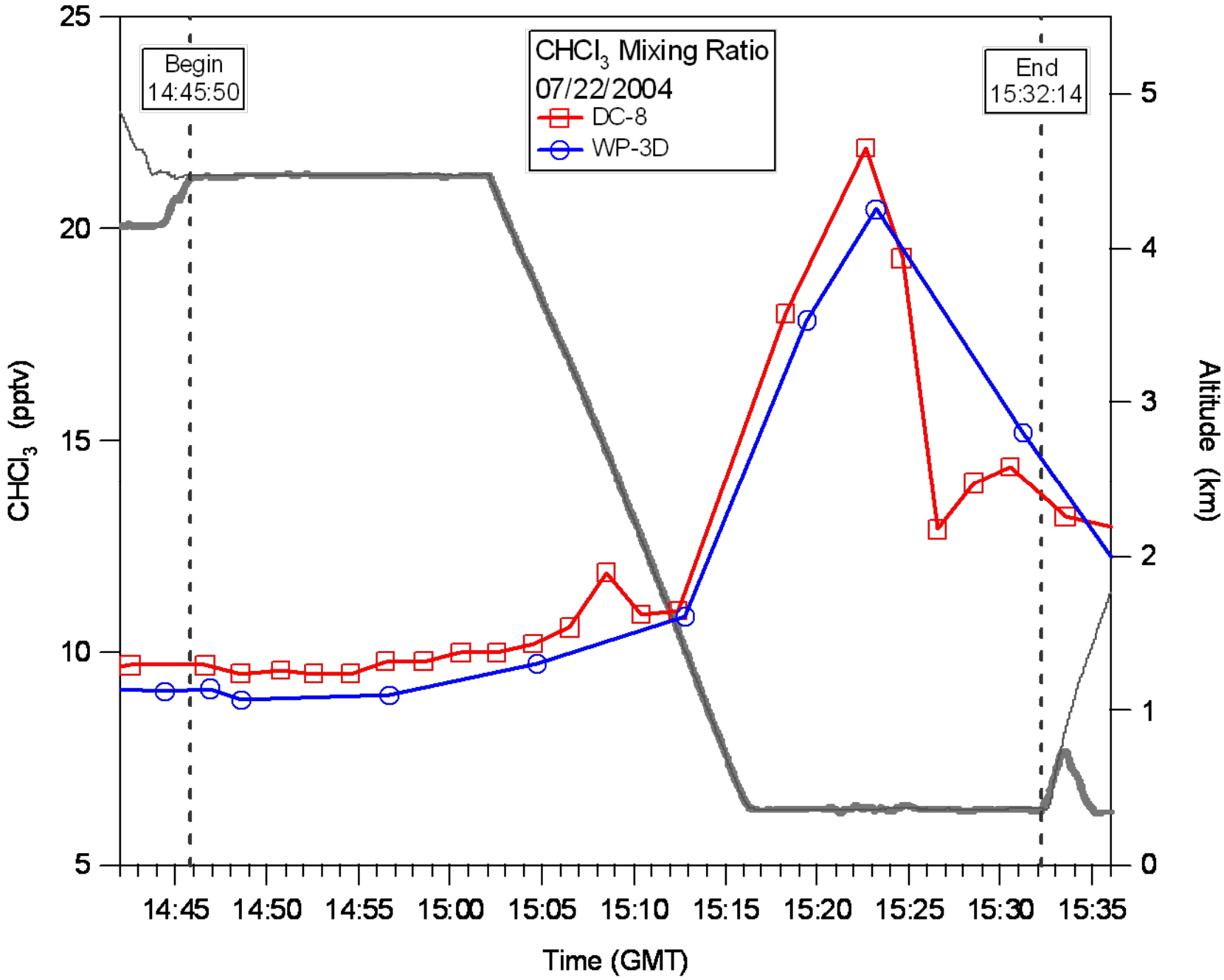
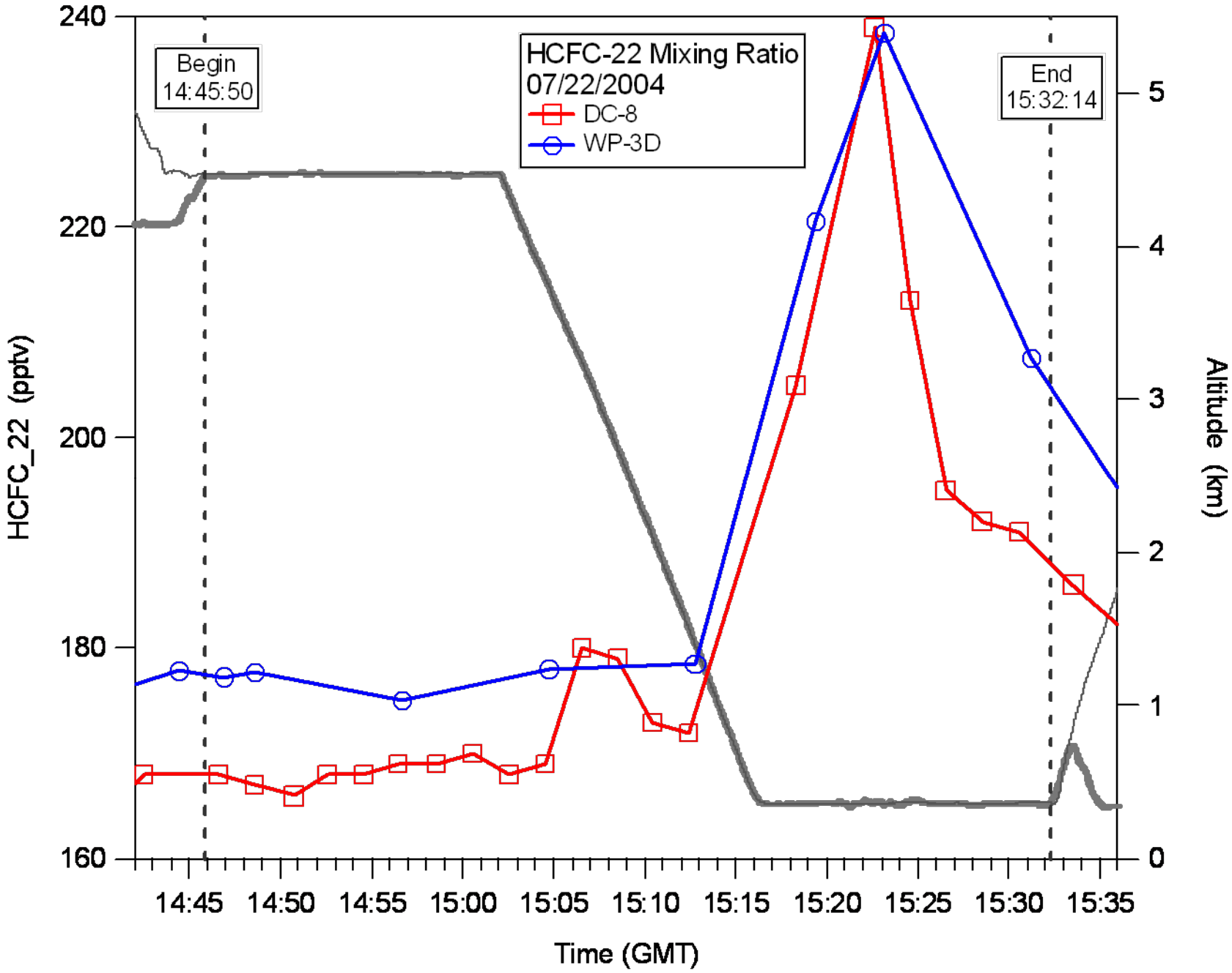

Begin
14:45:50
End
15:32:14
Methyl Nitrate Mixing Ratio
07/22/2004
DC-8
WP-3D
(CO - 100)/32
CH3ONO2 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35

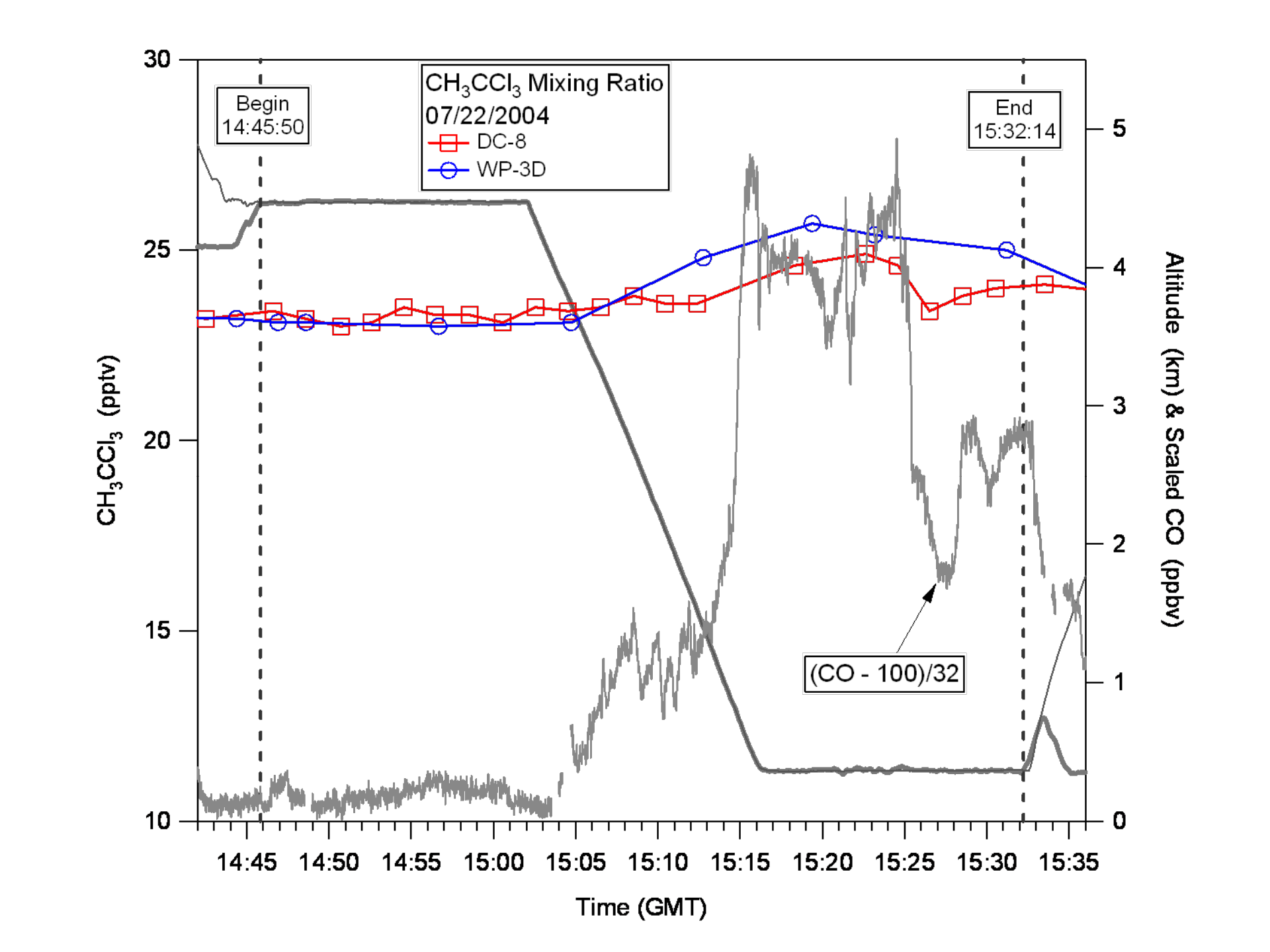

Begin
14:45:50
End
15:32:14
Ethyl Nitrate Mixing Ratio
07/22/2004
DC-8
WP-3D
(CO - 100)/32
Ethyl Nitrate (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
6
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35

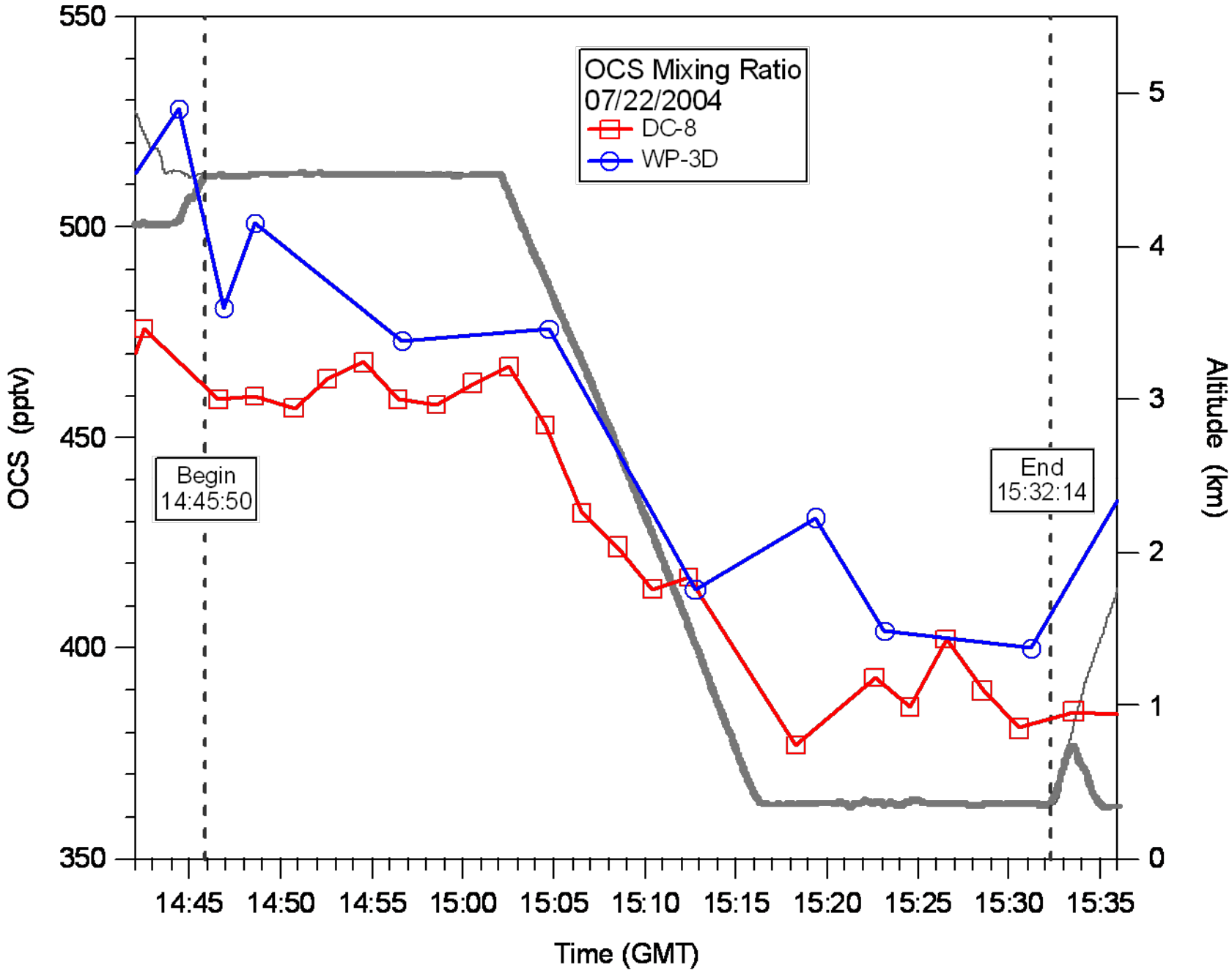

Begin
14:45:50
End
15:32:14
PTRMS Detection Limit
DMS Mixing Ratio
07/22/2004
DC-8
WP-3D WAS
WP-3D PTRMS
DC-8 Detection Limit
DMS (pptv)
Altitude (km)
Time (GMT)
60
40
20
0
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35

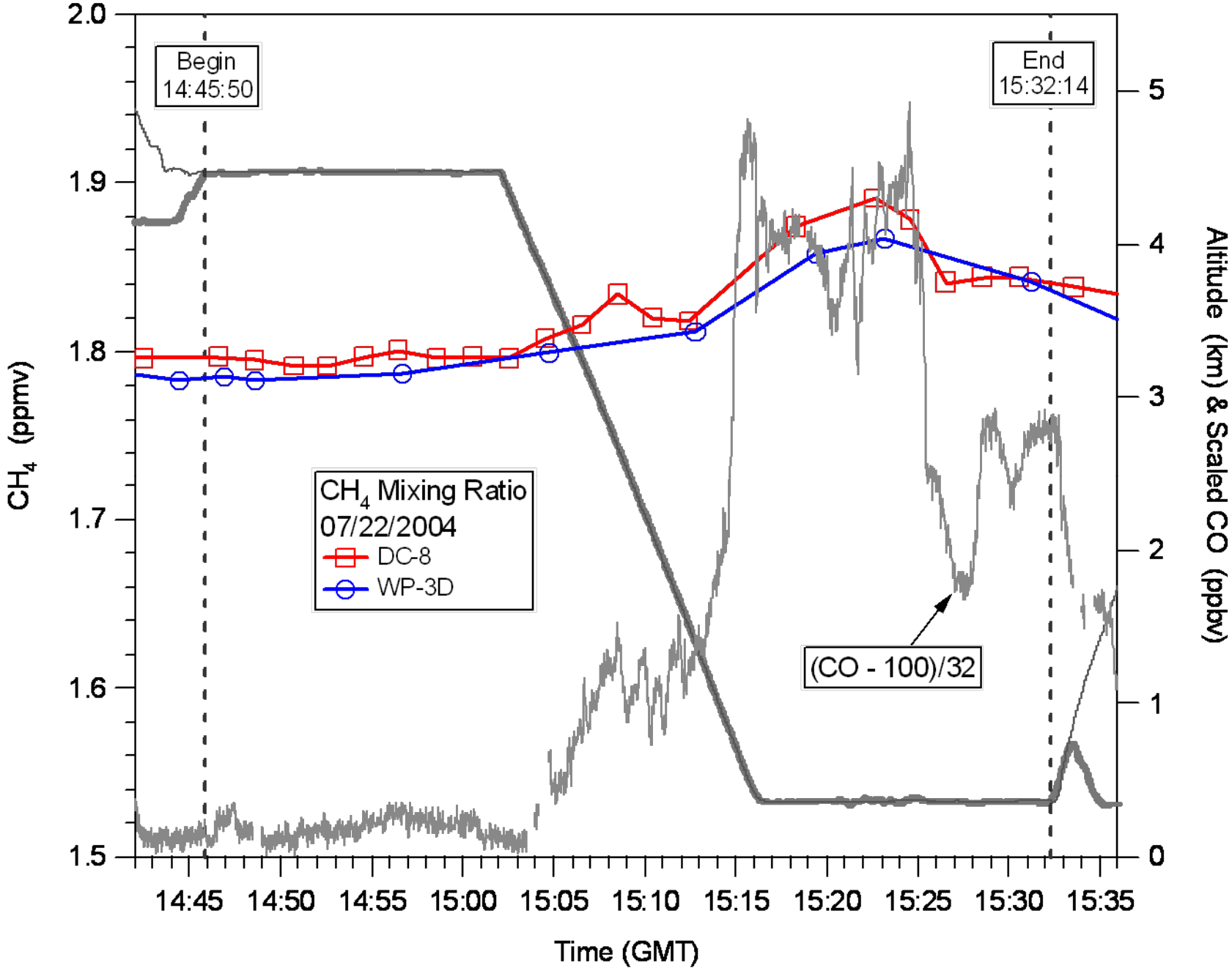

CH3I Mixing Ratio
07/22/2004
DC-8
WP-3D
Begin
14:45:50
End
15:32:14
CH3I (pptv)
Altitude (km)
Time (GMT)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35

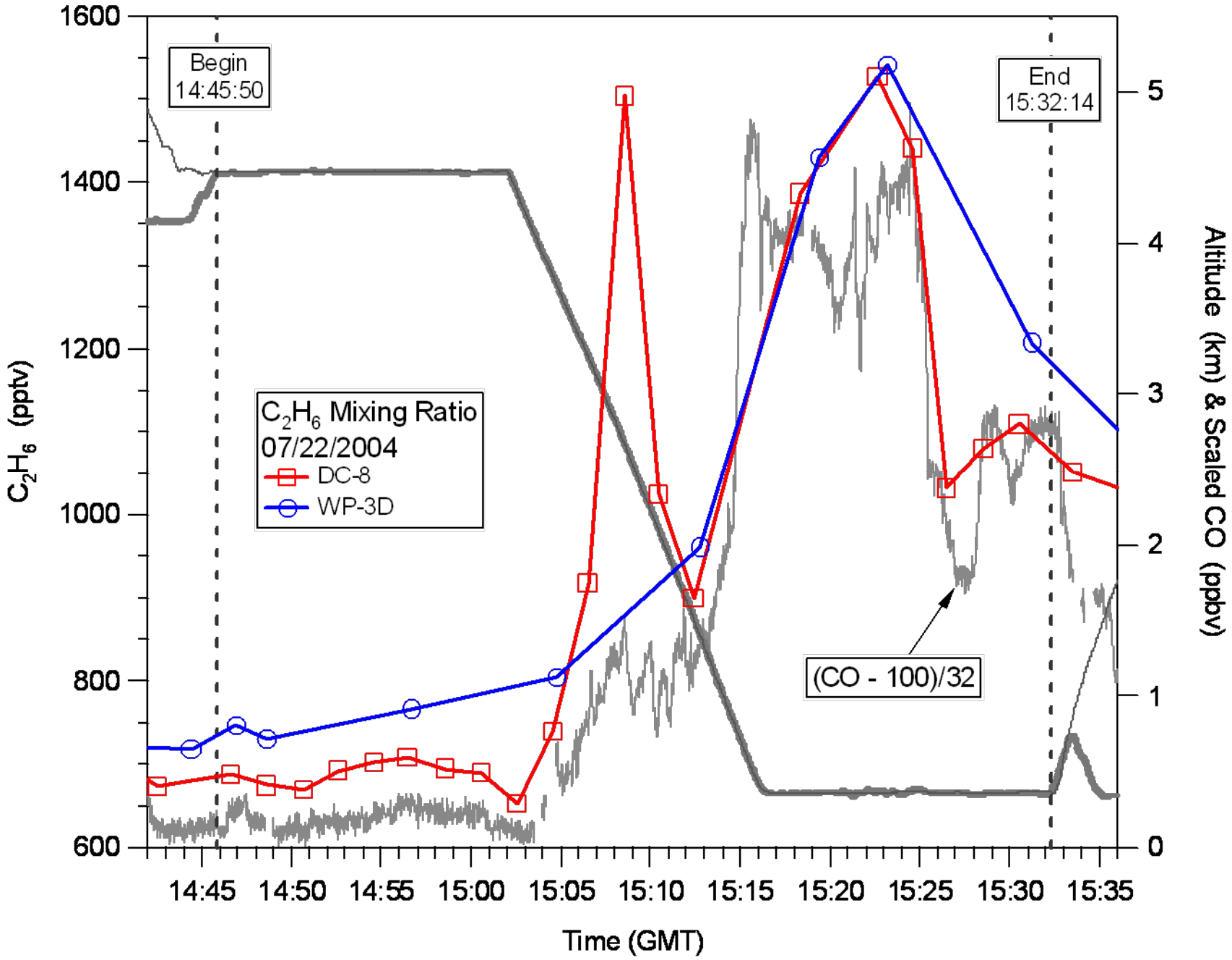

Begin
14:45:50
End
15:32:14
CHCl3 Mixing Ratio
07/22/2004
DC-8
WP-3D
CHCl3 (pptv)
Altitude (km)
Time (GMT)
25
20
15
10
5
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35

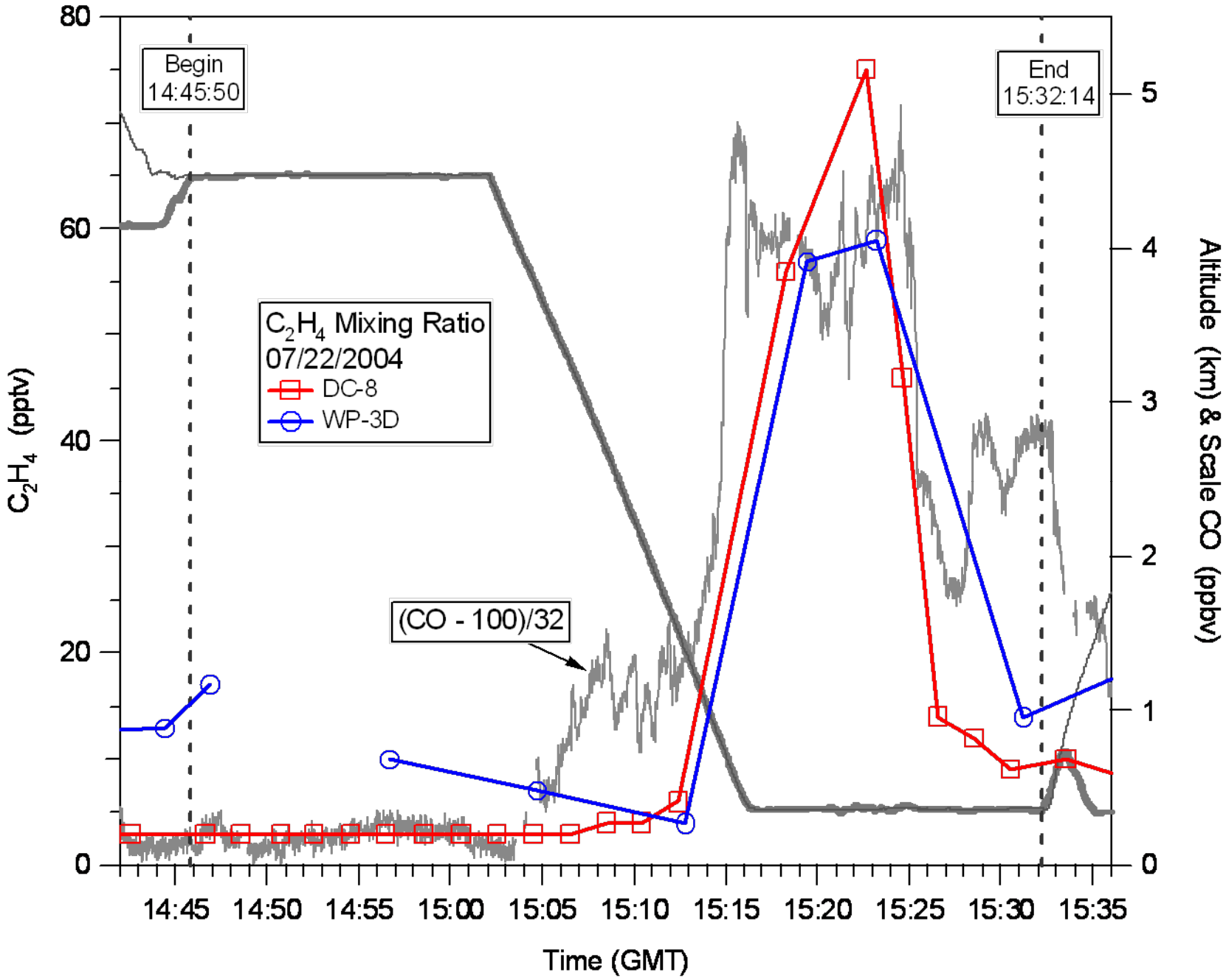

HCFC-22 Mixing Ratio
07/22/2004
DC-8
WP-3D
Begin
14:45:50
End
15:32:14
HCFC_22 (pptv)
240
220
200
180
160
Altitude (km)
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35
Time (GMT)

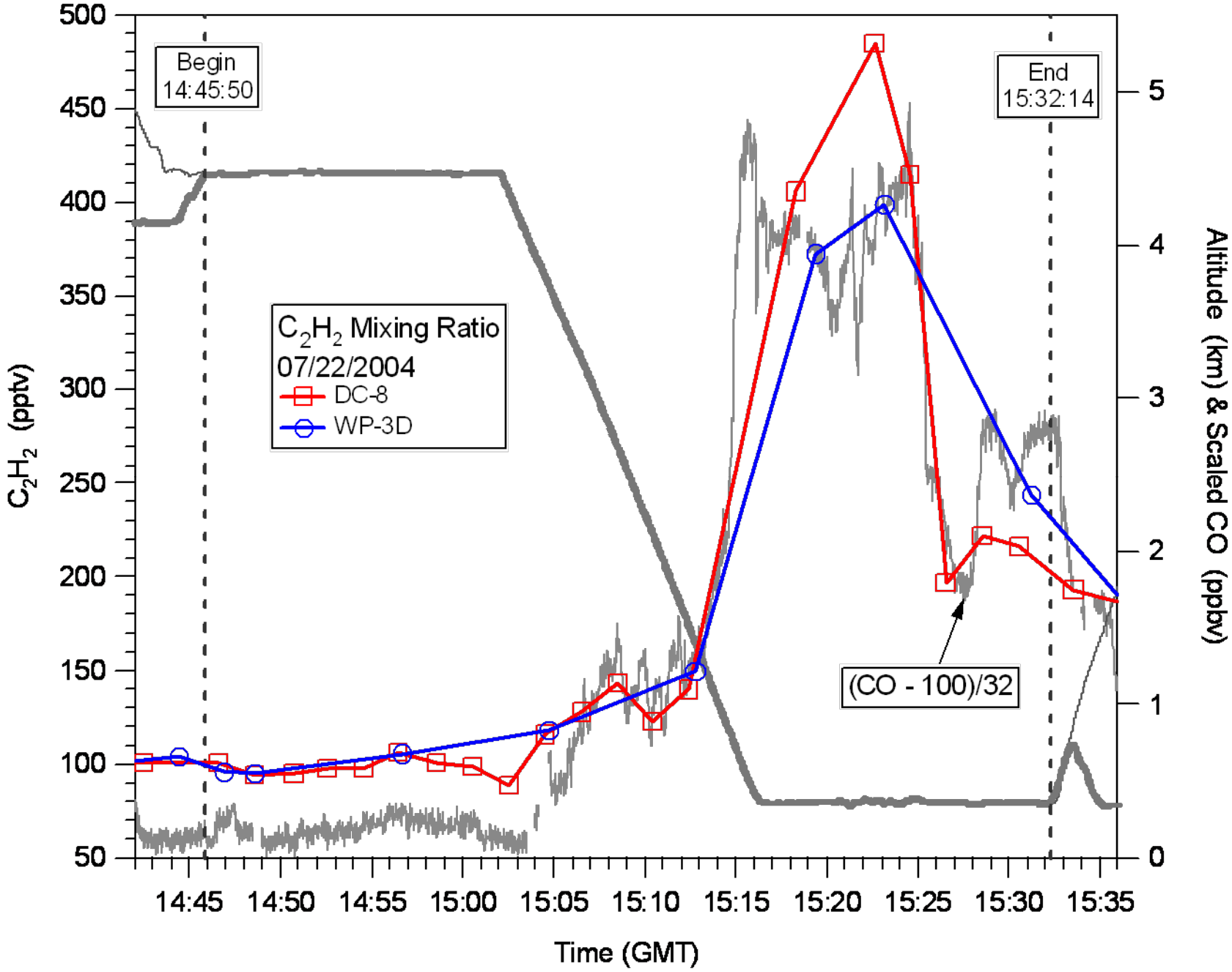

CH_3CCl_3 Mixing Ratio
07/22/2004
DC-8
WP-3D
Begin
14:45:50
End
15:32:14
(CO - 100)/32
CH_3CCl_3 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
30
25
20
15
10
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35

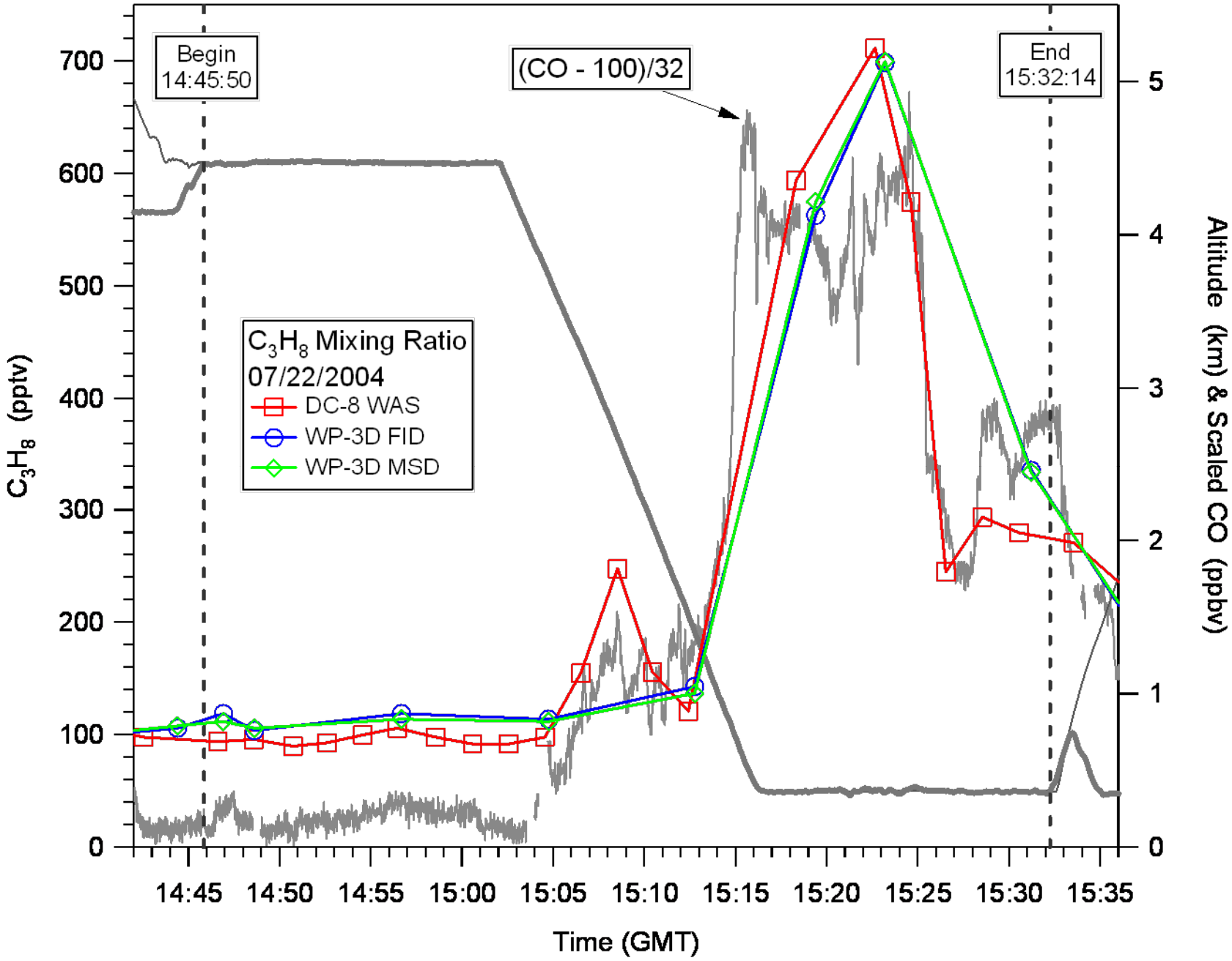

OCS Mixing Ratio
07/22/2004
DC-8
WP-3D
Begin
14:45:50
End
15:32:14
OCS (pptv)
Altitude (km)
Time (GMT)
550
500
450
400
350
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35

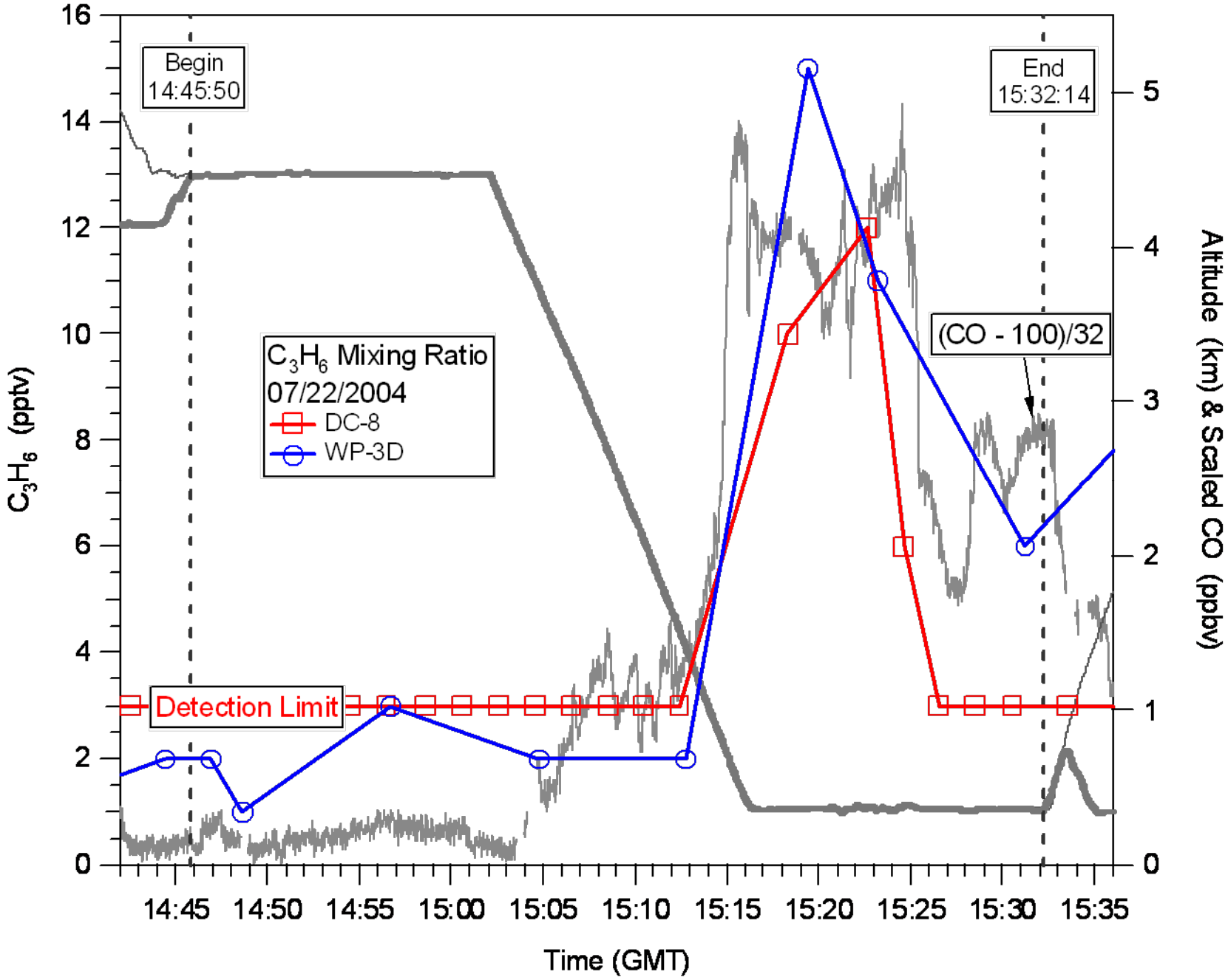

Begin
14:45:50
End
15:32:14
CH4 Mixing Ratio
07/22/2004
DC-8
WP-3D
(CO - 100)/32
CH4 (ppmv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
2.0
1.9
1.8
1.7
1.6
1.5
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35

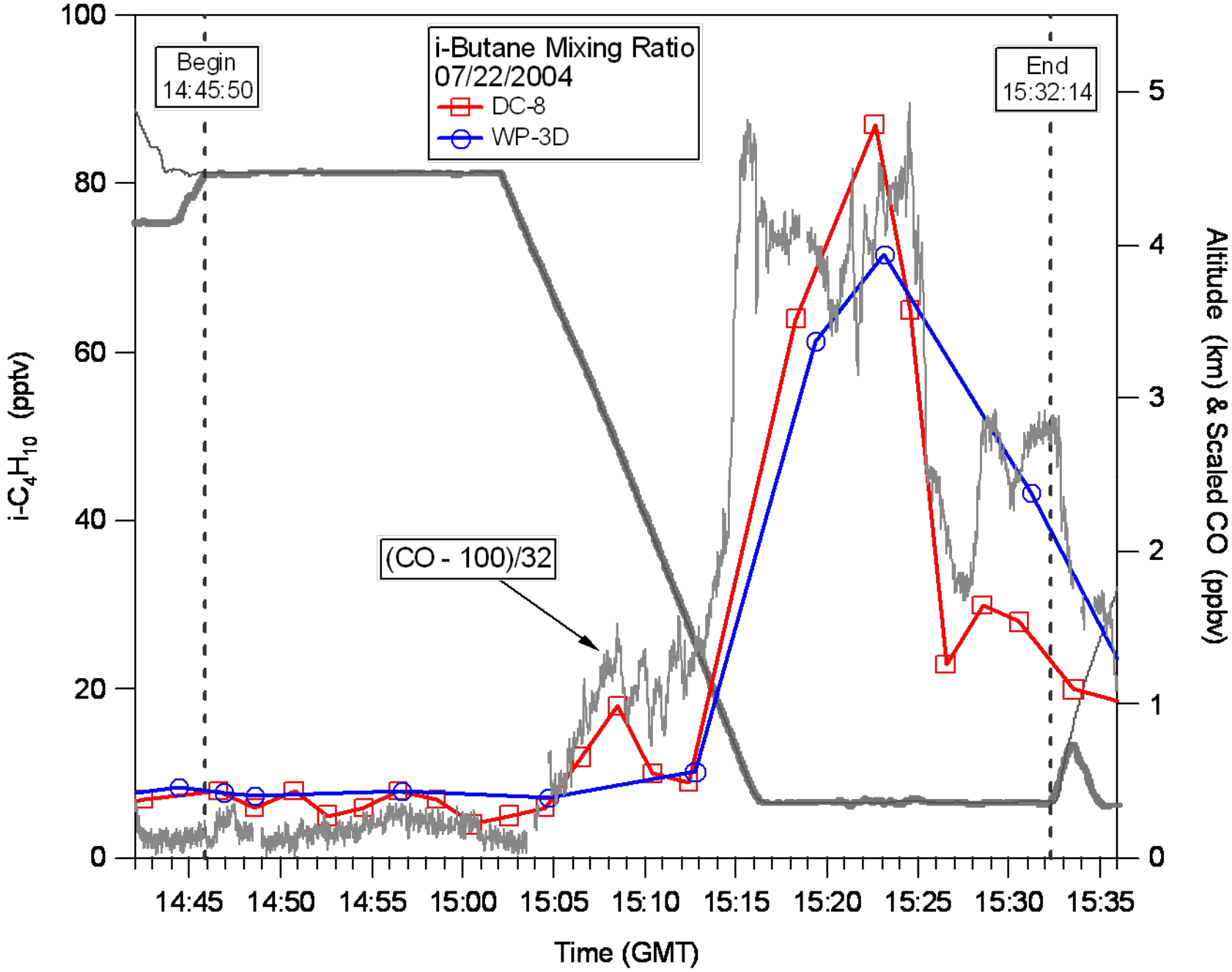

Begin
14:45:50
End
15:32:14
C_2H_6 Mixing Ratio
07/22/2004
DC-8
WP-3D
(CO - 100)/32
C_2H_6 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
1600
1400
1200
1000
800
600
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35

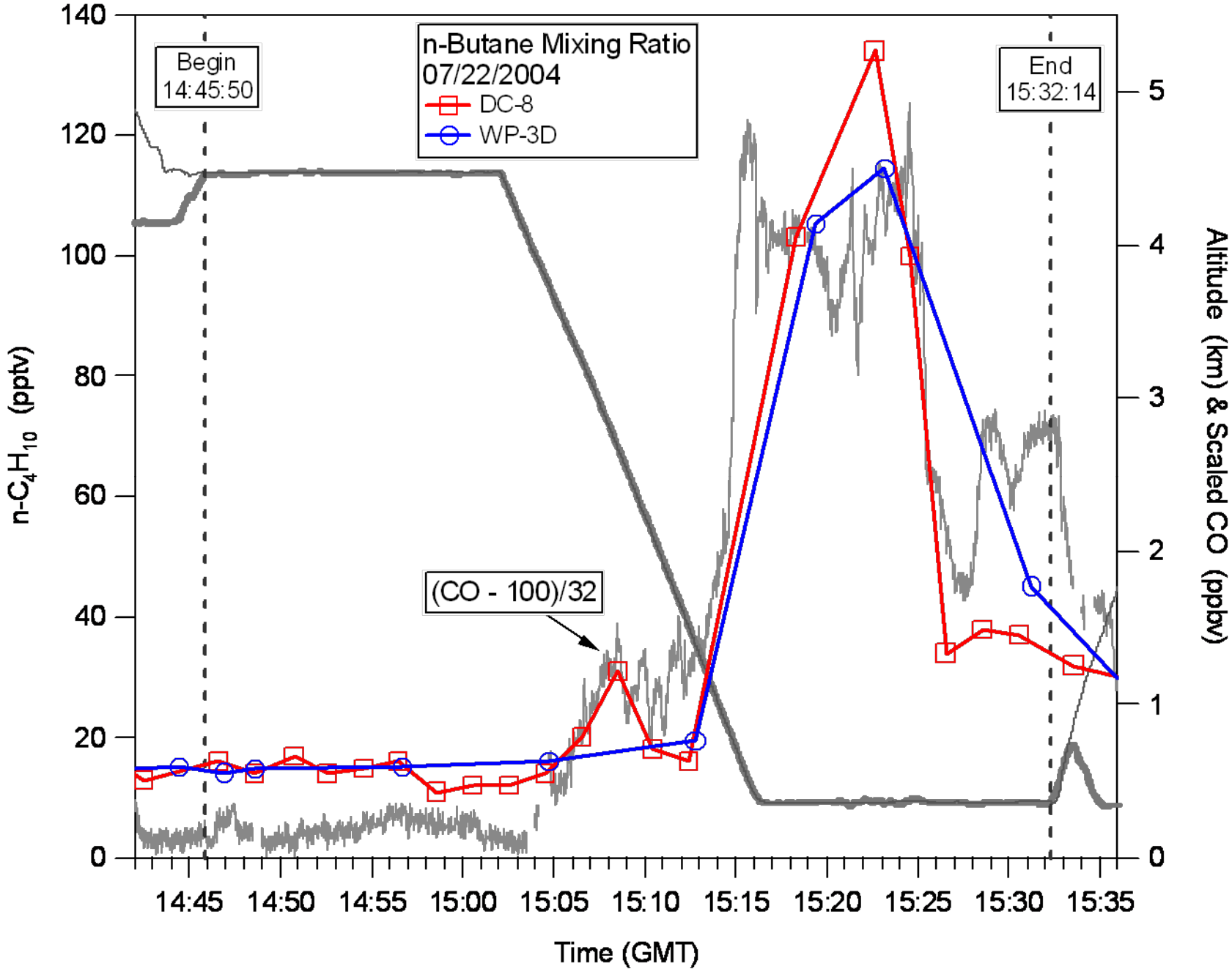

Begin
14:45:50
End
15:32:14
C_2H_4 Mixing Ratio
07/22/2004
DC-8
WP-3D
(CO - 100)/32
C_2H_4 (pptv)
Altitude (km) & Scale CO (ppbv)
Time (GMT)
0
20
40
60
80
0
1
2
3
4
5
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35

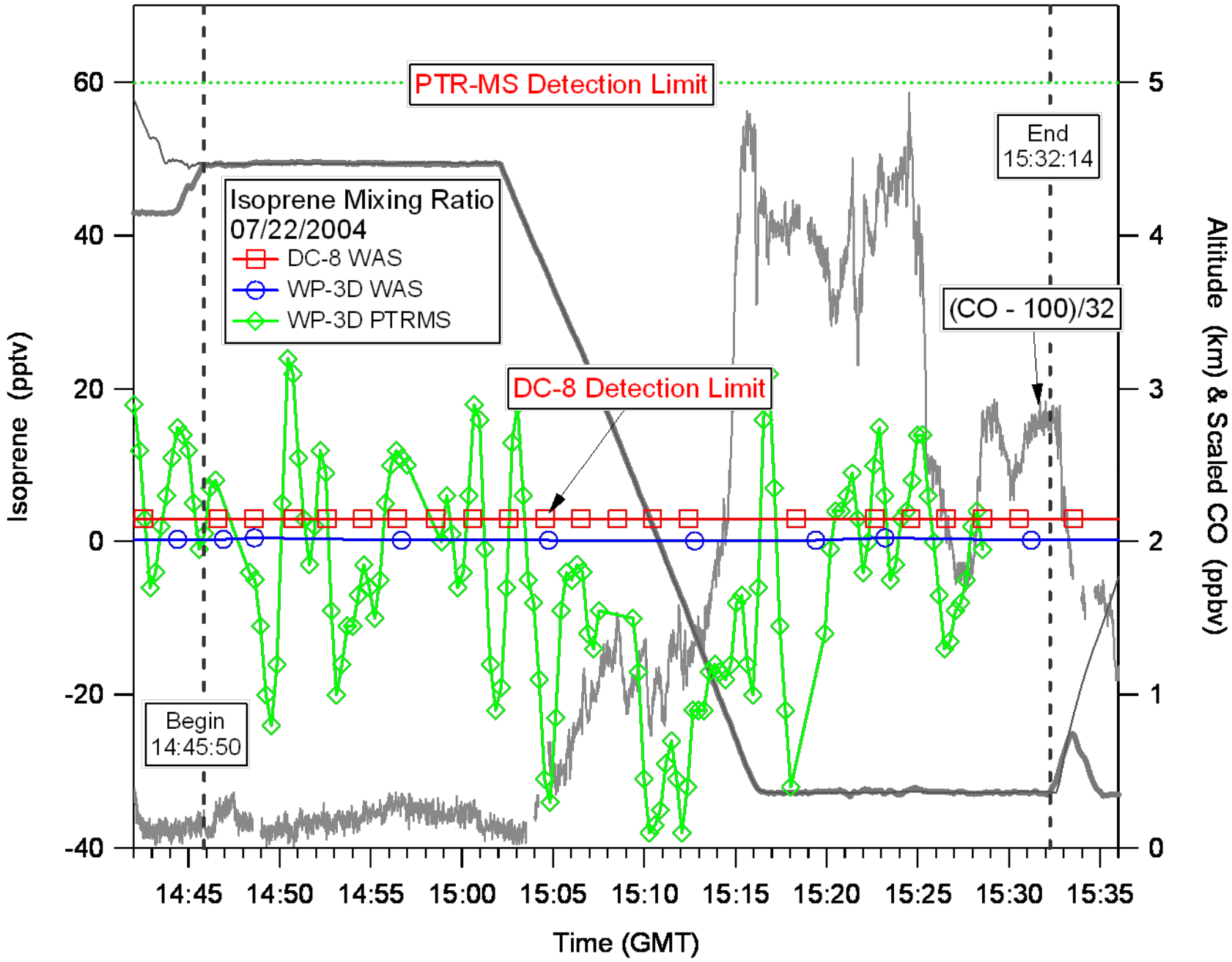

Begin
14:45:50
End
15:32:14
C_2H_2 Mixing Ratio
07/22/2004
DC-8
WP-3D
(CO - 100)/32
C_2H_2 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
500
450
400
350
300
250
200
150
100
50
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35

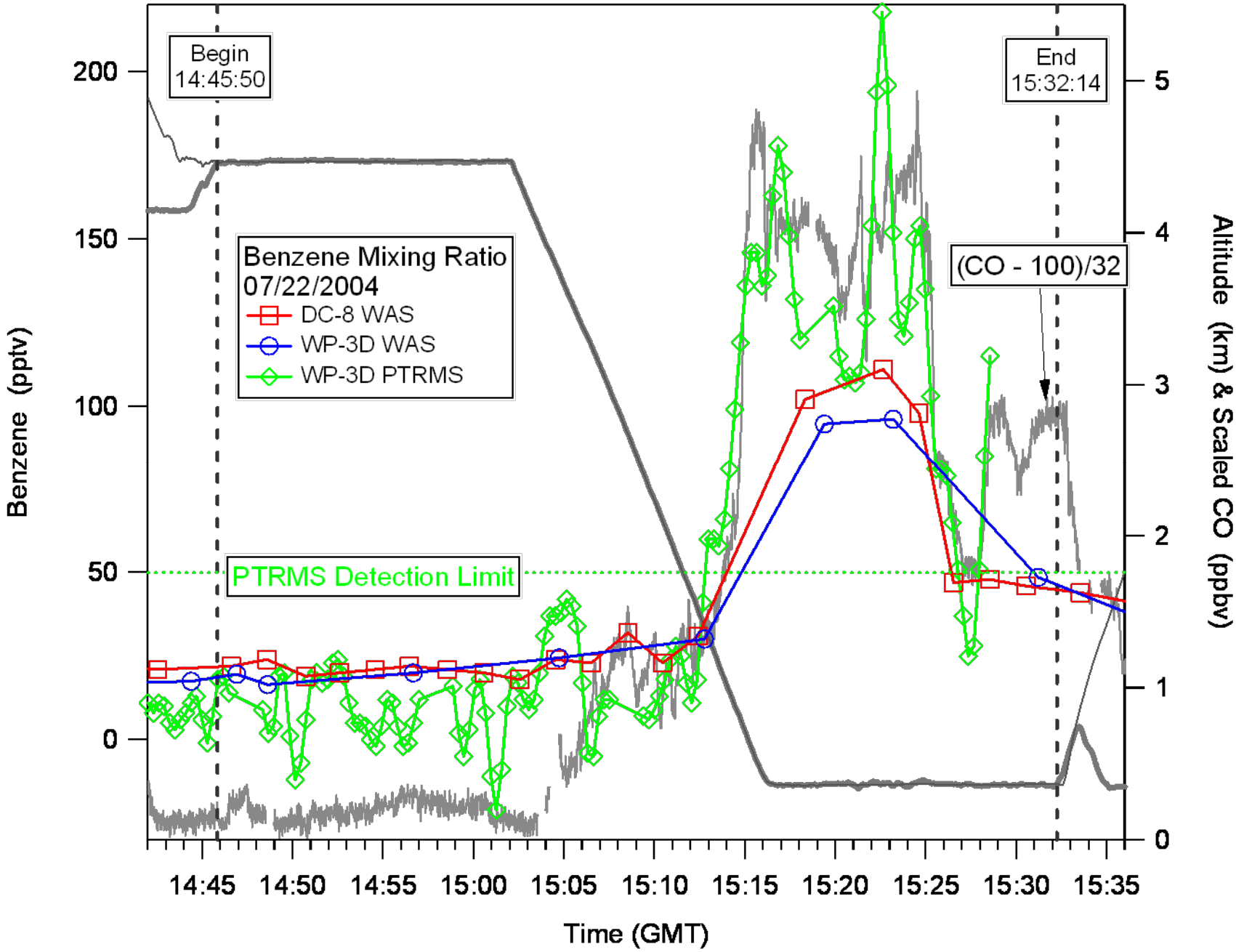

Begin
14:45:50
(CO - 100)/32
End
15:32:14
C_3H_8 Mixing Ratio
07/22/2004
DC-8 WAS
WP-3D FID
WP-3D MSD
C_3H_8 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
0
100
200
300
400
500
600
700
0
1
2
3
4
5
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35

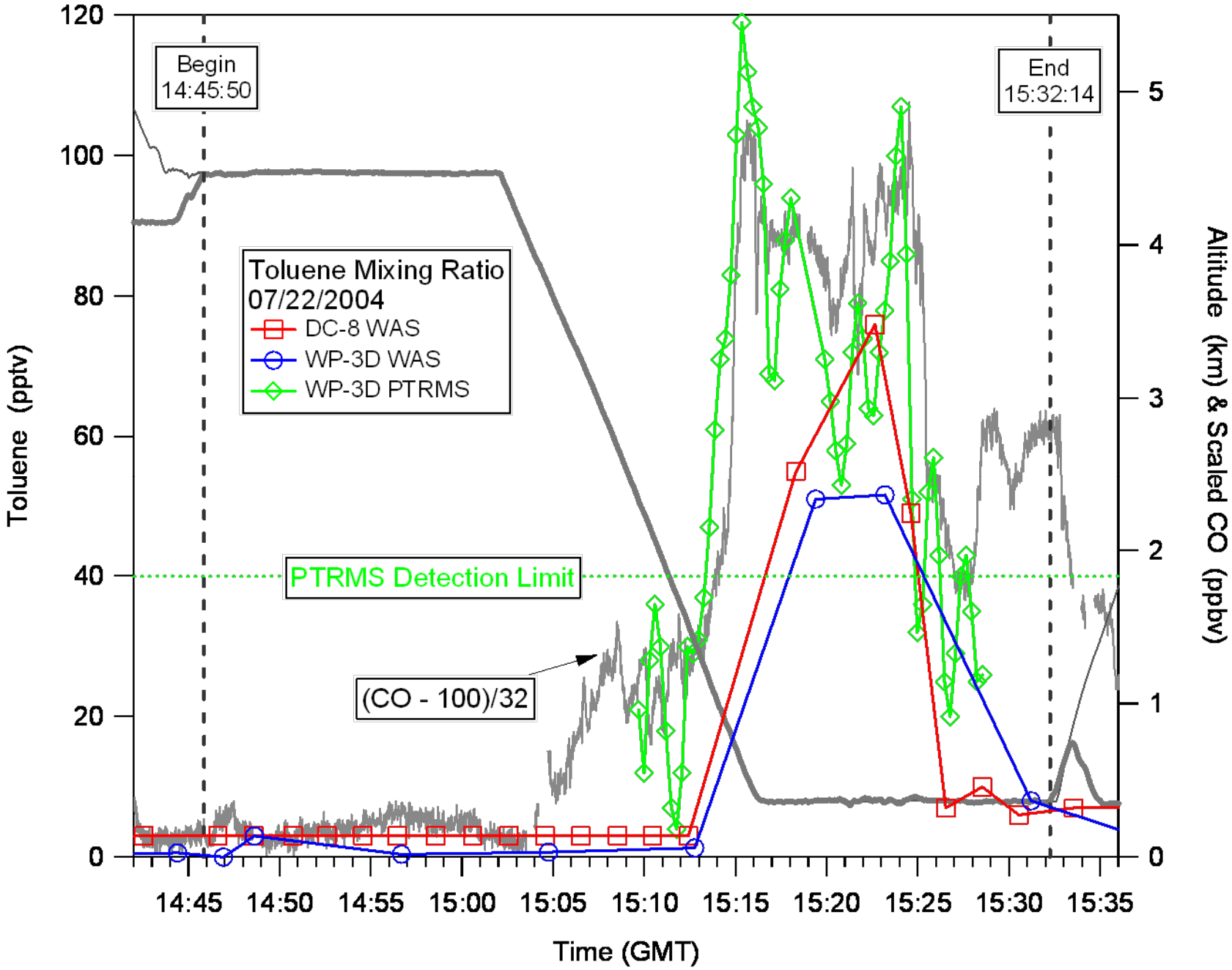

Begin
14:45:50
End
15:32:14
C_3H_6 Mixing Ratio
07/22/2004
DC-8
WP-3D
(CO - 100)/32
Detection Limit
C_3H_6 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
16
14
12
10
8
6
4
2
0
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35


i-Butane Mixing Ratio
07/22/2004
DC-8
WP-3D
Begin
14:45:50
End
15:32:14
(CO - 100)/32
i-C4H10 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
0
20
40
60
80
100
0
1
2
3
4
5
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35


n-Butane Mixing Ratio
07/22/2004
DC-8
WP-3D
Begin
14:45:50
End
15:32:14
(CO - 100)/32
n-C4H10 (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
0
20
40
60
80
100
120
140
0
1
2
3
4
5
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35


PTR-MS Detection Limit
End
15:32:14
Isoprene Mixing Ratio
07/22/2004
DC-8 WAS
WP-3D WAS
WP-3D PTRMS
(CO - 100)/32
DC-8 Detection Limit
Begin
14:45:50
Isoprene (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
60
40
20
0
-20
-40
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35


Begin
14:45:50
End
15:32:14
Benzene Mixing Ratio
07/22/2004
DC-8 WAS
WP-3D WAS
WP-3D PTRMS
(CO - 100)/32
PTRMS Detection Limit
Benzene (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
200
150
100
50
0
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35


Begin
14:45:50
End
15:32:14
Toluene Mixing Ratio
07/22/2004
DC-8 WAS
WP-3D WAS
WP-3D PTRMS
PTRMS Detection Limit
(CO - 100)/32
Toluene (pptv)
Altitude (km) & Scaled CO (ppbv)
Time (GMT)
120
100
80
60
40
20
0
5
4
3
2
1
0
14:45
14:50
14:55
15:00
15:05
15:10
15:15
15:20
15:25
15:30
15:35